

**IN THE UNITED STATES DISTRICT COURT  
FOR THE WESTERN DISTRICT OF TEXAS  
WACO DIVISION**

# ORIGINAL COMPLAINT FOR PATENT INFRINGEMENT

Plaintiff WSOU Investments, LLC d/b/a Brazos Licensing and Development (“Brazos” or “Plaintiff”), by and through its attorneys, files this Complaint for Patent Infringement against Google LLC (“Google”) and alleges:

## **NATURE OF THE ACTION**

1. This is a civil action for patent infringement arising under the Patent Laws of the United States, 35 U.S.C. §§ 1, *et seq.*, including §§ 271, 281, 284, and 285.

## THE PARTIES

2. Brazos is a limited liability corporation organized and existing under the laws of Delaware, with its principal place of business at 605 Austin Avenue, Suite 6, Waco, Texas 76701.
3. On information and belief, Google is a Delaware corporation with a physical address at 500 West 2nd Street, Austin, Texas 78701.

## **JURISDICTION AND VENUE**

4. This is an action for patent infringement which arises under the Patent Laws of the United States, in particular, 35 U.S.C. §§ 271, 281, 284, and 285.

5. This Court has jurisdiction over the subject matter of this action under 28 U.S.C. §§ 1331 and 1338(a).

6. This Court has specific and general personal jurisdiction over the defendant pursuant to due process and/or the Texas Long Arm Statute, because the defendant has committed acts giving rise to this action within Texas and within this judicial district. The Court's exercise of jurisdiction over the defendant would not offend traditional notions of fair play and substantial justice because the defendant has established minimum contacts with the forum. For example, on information and belief, the defendant has committed acts of infringement in this judicial district, by among other things, selling and offering for sale products that infringe the asserted patent, directly or through intermediaries, as alleged herein.

7. Venue is proper in this Court pursuant to 28 U.S.C. §§ 1391 and 1400(b). Google is registered to do business in Texas. Google has offices in this District, has transacted business in this District, and has committed acts of direct and indirect infringement in this District. Google also has a regular and established place of business in this District, as set forth below.

8. Since 2007, Google has employed “hundreds” of employees in this District in Austin, Texas.<sup>1</sup> As of August 2018, Google had more than 800 employees in Austin.<sup>2</sup> By June of 2019, Google had more than 1,100 employees in Austin.<sup>3</sup> In January 2019, it was reported that Google “signed a lease for an entire 35-story tower that has started construction just east of the Central Library in downtown Austin.”<sup>4</sup> Google’s 35-story tower in Austin “will have 790,000

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<sup>1</sup> According to Gerardo Interiano, Google's public affairs and government relations manager, in a statement. See <http://www.statesman.com/business/google-lease-200-000-square-feet-new-downtown-austin-tower/SANZSa3du8QQ4k8ytOC2rJ/>

<sup>2</sup> See <https://www.statesman.com/news/20190131/source-google-to-occupy-35-story-office-tower-in-downtown-austin>

<sup>3</sup> See <https://www.bizjournals.com/austin/news/2019/06/14/google-confirms-austin-expansion-will-begin-moving.html>

<sup>4</sup> *Id.*

square feet of space, enough to potentially house about 5,000 people.”<sup>5</sup>



Source: <https://www.statesman.com/news/20190131/source-google-to-occupy-35-story-office-tower-in-downtown-austin>

9. Articles report that Google’s office in Austin would “would certainly be one of its most expansive offices in North America.”<sup>6</sup>

10. Google has 300,000 square feet of office space in Austin, Texas, at 500 West 2<sup>nd</sup> Street.<sup>7</sup> Google also has offices on North MoPac Expressway,<sup>8</sup> University Park, and Austin’s Children Museum.<sup>9</sup>

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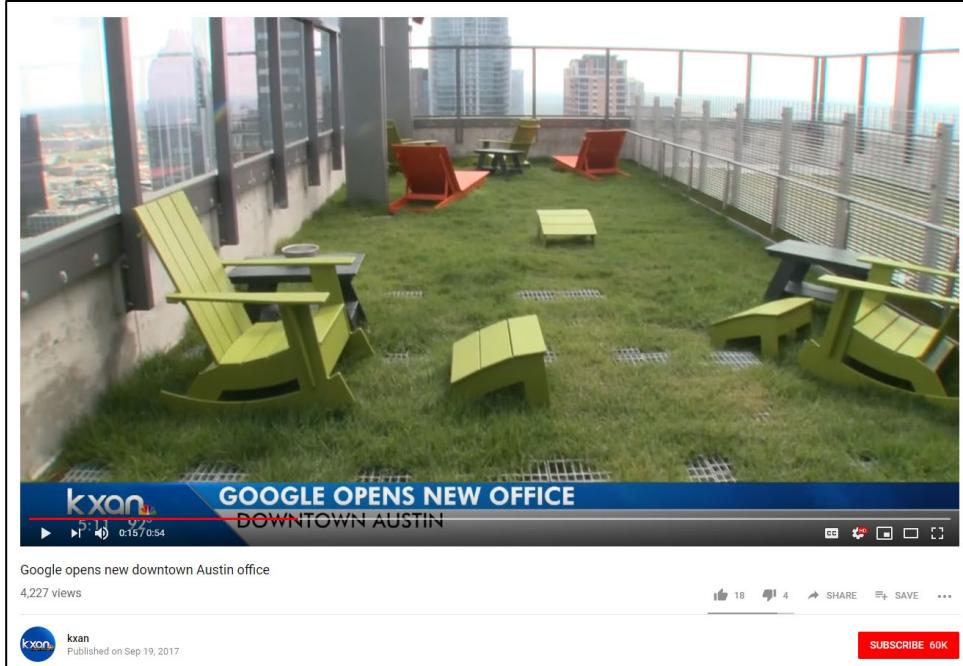
<sup>5</sup> *Id.*

<sup>6</sup> See <https://9to5google.com/2019/01/31/google-signs-lease-austin-campus/>

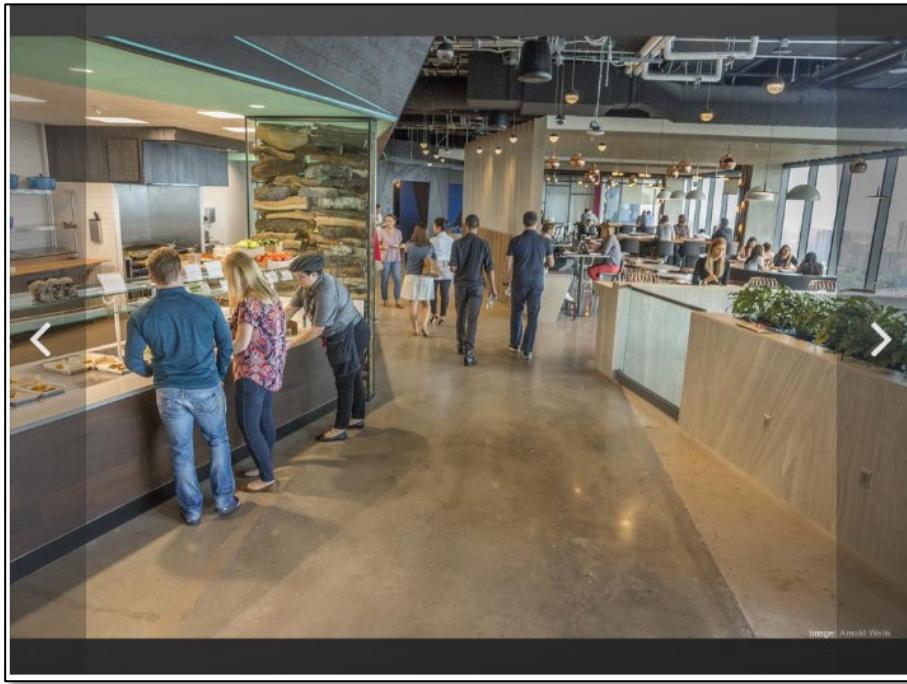
<sup>7</sup> See <https://www.bizjournals.com/austin/news/2020/02/27/google-to-invest-10b-in-offices-and-data-centers.html>

<sup>8</sup> See <https://www.google.com/intl/en/about/locations/?region=north-america>

<sup>9</sup> See <http://www.statesman.com/business/google-lease-200-000-square-feet-new-downtown-austin-tower/SANZSa3du8QQ4k8ytOC2rJ/>



Source: <https://www.youtube.com/watch?v=RKA1RJYGOYQ>



Source: <https://www.bizjournals.com/austin/news/2019/10/28/inside-austins-coolest-offices.html#g/419929/15>

11. Google has, as of June 2020, fifty (50) job postings for Austin, TX.<sup>10</sup>

12. Google's taxed appraised property values in Travis County (Austin) are approximately \$1 billion.<sup>11</sup> Google's taxed appraised property values in McLennan County (Waco) are approximately \$75,000.<sup>12</sup> Google's taxed appraised property values in Bexar County (San Antonio) are approximately \$50 million.<sup>13</sup> Google's taxed appraised property values in El Paso are approximately \$258,000.<sup>14</sup>

13. Operationally, Google is a multinational technology company that collects, stores, organizes, and distributes data. In addition to its service model for distribution of data (e.g., movies, search results, maps, music, etc.), Google has an expansive regime that gathers data on residents of this District through the hardware devices it sells (e.g., phones, tablets, and home audio devices) and, also, through the operating systems and apps it provides. As an example, Google gathers data when a resident runs its operating systems and apps (e.g., location services).<sup>15</sup> As another example, Google gathers data when a resident interacts with Google's plethora of services such as search, email, and music and movie streaming. See <https://safety.google/privacy/data/> (indicating that Google gathers data from "things you search for," "Videos you watch," "Ads you view or click," "Your location," "Websites you visit," and "Apps, browsers, and devices you use to access Google services"). As yet another example, Google gathers data by listening and recording everything a resident says within proximity of one of its products, such as Google

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<https://careers.google.com/jobs/results/?company=Google&company=YouTube&hl=en&jlo=en-US&location=Austin,%20TX,%20USA>

<sup>11</sup> See <http://propaccess.traviscad.org>

<sup>12</sup> See [https://propaccess.trueautomation.com/clientdb/Property.aspx?cid=20&prop\\_id=378970](https://propaccess.trueautomation.com/clientdb/Property.aspx?cid=20&prop_id=378970)

<sup>13</sup> See [https://bexar.acttax.com/act\\_webdev/bexar/showdetail2.jsp?can=000001265355](https://bexar.acttax.com/act_webdev/bexar/showdetail2.jsp?can=000001265355),

<sup>14</sup> See <http://www.epcad.org/Search?Keywords=GOOGLE+INC&Year=2019>

<sup>15</sup> See e.g., "AP Exclusive: Google tracks your movements, like it or not,"

<https://apnews.com/828aefab64d4411bac257a07c1af0ecb/AP-Exclusive:-Google-tracks-your-movements,-like-it-or-not>

Home.<sup>16</sup> Others have reported that Google gathers “where you’ve been,” “everything you’ve ever searched – and deleted,” “all the apps you use,” “all of your YouTube history,” “which events you attended, and when,” “information you deleted [on your computer],” “your workout routine,” “years’ worth of photos,” and “every email you ever sent.”<sup>17</sup>

14. Google takes these massive amounts of gathered data on residents of this District and monetizes them, for example, through targeted advertising. Some have reported that “creepy” advertisements for items never searched for, but only spoken out loud, appeared. *See e.g.*, <https://www.youtube.com/watch?v=zBnDWSvaQ1I> (conducting test on the term “dog toys” spoken out loud, but never searched; tester claims targeted “dog toy” advertisements only appeared after speaking the phrase out loud).

15. In addition to extensive data gathering of information on residents of this District, Google has a substantial presence in the District directly through the products and services Google provides residents of this District (some of which also gather data).<sup>18</sup> One of Google’s main businesses in this District is delivering information, including digital content such as movies, music, apps, and advertising.

16. Google describes itself as an “information company.”<sup>19</sup> Its vision is “to provide

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<sup>16</sup> See <https://www.unilad.co.uk/technology/google-is-listening-to-everything-we-say-and-you-can-hear-it-back/> (“Tech giant and the font of all pub quiz knowledge, Google, can quietly record many of the conversations that people have in close proximity to its products.”).

<sup>17</sup> See <https://www.theguardian.com/commentisfree/2018/mar/28/all-the-data-facebook-google-has-on-you-privacy>.

<sup>18</sup> Non-limiting examples include Google Search, Maps, Translate, Chrome Browser, YouTube, YouTube TV, Google Play Music, Chromecast, Google Play Movies and TV, Android Phones, Android Wear, Chromebooks, Android Auto, Gmail, Google Allo, Google Duo, Google+, Google Photos, Google Contacts, Google Calendar, Google Keep, Google Docs, Google Sheets, Google Slides, Google Drive, Google Voice, Google Assistant, Android operating system, Project Fi Wireless phone systems, Google Pixel, Google Home, Google Wifi, Daydream View, Chromecast Ultra.

<sup>19</sup> See “This Year’s Founder’s Letter” by Alphabet CEO, Sundar Pichai, <https://blog.google/inside-google/alphabet/this-years-founders-letter/>.

access to the world’s information in one click,” and its mission is “to organize the world’s information and make it universally accessible and useful.”<sup>20</sup> Making information available to people wherever they are and as quickly as possible is critical to Google’s business.

#### *Google Global Cache (GGC)*

17. As Google’s CEO, Sundar Pichai, explains, “We want to make sure that no matter who you are or where you are or how advanced the device you are using—Google works for you.”<sup>21</sup> To meet this goal, Google developed a content delivery network that it calls the Edge Network.

18. One non-limiting example of physical presence in this District is Google’s Edge Network. Google provides web-based services, such as YouTube, YouTube TV, and Google Play, to users throughout the world. These services are in high demand. Google reports that Google Play reaches more than 1 billion Android users and that YouTube serves over 1.8 billion users per month.<sup>22</sup> Studies show that YouTube alone is responsible for approximately 20% of all internet traffic.<sup>23</sup> YouTube TV, which has been described as an “add-on to YouTube” allows Google to essentially become the local TV provider for residents of this District. For example, residents in this District obtain local Waco-Temple-Bryan area channels such as KXXV, ABC (Channel 25); KBTX, CBS (Channel 3) or KWTX, CBS (Channel 10); KCEN NBC (Channel 5); and KCEN, Fox (Channel 6).<sup>24</sup> To verify a resident should receive such local channels, Google verifies a location of such resident.

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<sup>20</sup> See <http://panmore.com/google-vision-statement-mission-statement>.

<sup>21</sup> See e.g., <http://time.com/4311233/google-ceo-sundar-pichai-letter/>.

<sup>22</sup> See <https://www.theverge.com/2018/5/3/17317274/youtube-1-8-billion-logged-in-monthly-users-brandcast-2018>

<sup>23</sup> See <https://www.sandvine.com/hubfs/downloads/archive/2016-global-internet-phenomena-report-latin-america-and-north-america.pdf> and <http://testinternetspeed.org/blog/half-of-all-internet-traffic-goes-to-netflix-and-youtube/>

<sup>24</sup> See, e.g. <https://thestreamable.com/markets/waco-temple-bryan-tx>.

19. Google's Edge Network, itself, has three elements: Core Data Centers, Edge Points of Presence, and Edge Nodes. The Core Data Centers (there are eight in the United States) are used for computation and backend storage. Edge Points of Presence are the middle tier of the Edge Network and connect the Data Centers to the internet. Edge Nodes are the layer of the network closest to users. Popular content, including YouTube TV, YouTube, video advertising, music, mobile apps, and other digital content from the Google Play store, is cached on the Edge Nodes, which Google refers to as Google Global Cache or "GGC."

20. Google Global Cache is recognized as "one of Google's most important pieces of infrastructure,"<sup>25</sup> and Google uses it to conduct the business of providing access to the world's information. GGC servers in the Edge Nodes function as local data warehouses, much like a shoe manufacturer might have warehouses around the country. Instead of requiring people to obtain information from distant Core Data Centers, which would introduce delay, Google stores information in the local GGC servers to provide quick access to the data.

21. Caching and localization are vital for Google's optimization of network resources. Because hosting all content everywhere is inefficient, it makes sense to cache popular content and serve it locally. Doing so brings delivery costs down for Google, network operators, and internet service providers. Storing content locally also allows it to be delivered more quickly, which improves user experience. Serving content from the edge of the network closer to the user improves performance and user happiness. To achieve these benefits, Google has placed Edge Nodes throughout the United States, including in this District. Google describes these nodes as the workhorses of video delivery.

22. Just like brick-and-mortar stores, Google's GGC servers independently determine

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<sup>25</sup> See <http://blog.speedchecker.xyz/2015/11/30/demystifying-google-global-cache/>.

what content to cache based on local requests. The GGC servers in Google’s Edge Nodes include software that Google refers to as “μstreamer.” μstreamer is responsible for serving video content from YouTube and other Google services, along with other large content such as Google Play applications and Chrome downloads. It operates on a content-delivery platform at the edge of Google’s network called “bandaid”; it does not run in the core (except for some internal testing purposes), unlike the majority of the Google services, such as search or gmail.

23. Using μstreamer and bandaid, a GGC server handles requests directly from its clients, predominantly YouTube’s video players. When such a request is received, if the content is stored in the node’s local cache, the node will serve it to the end user, improving the user experience and saving bandwidth. If cache-eligible content is not already stored on the node, and the content is cache-eligible, the node will retrieve it from Google, serve it to the user, and store it for future requests.

24. μstreamer is largely autonomous, in the sense that almost all decisions related to serving a particular request are made locally, without coordinating with other servers. Like a brick-and-mortar store sells directly to customers from inventory and stocks that inventory based on local customer demand, μstreamer in each GGC node decides—Independently from other nodes in Google’s Edge Network—whether to serve requested content, whether to cache content, and whether to send requests to other servers.

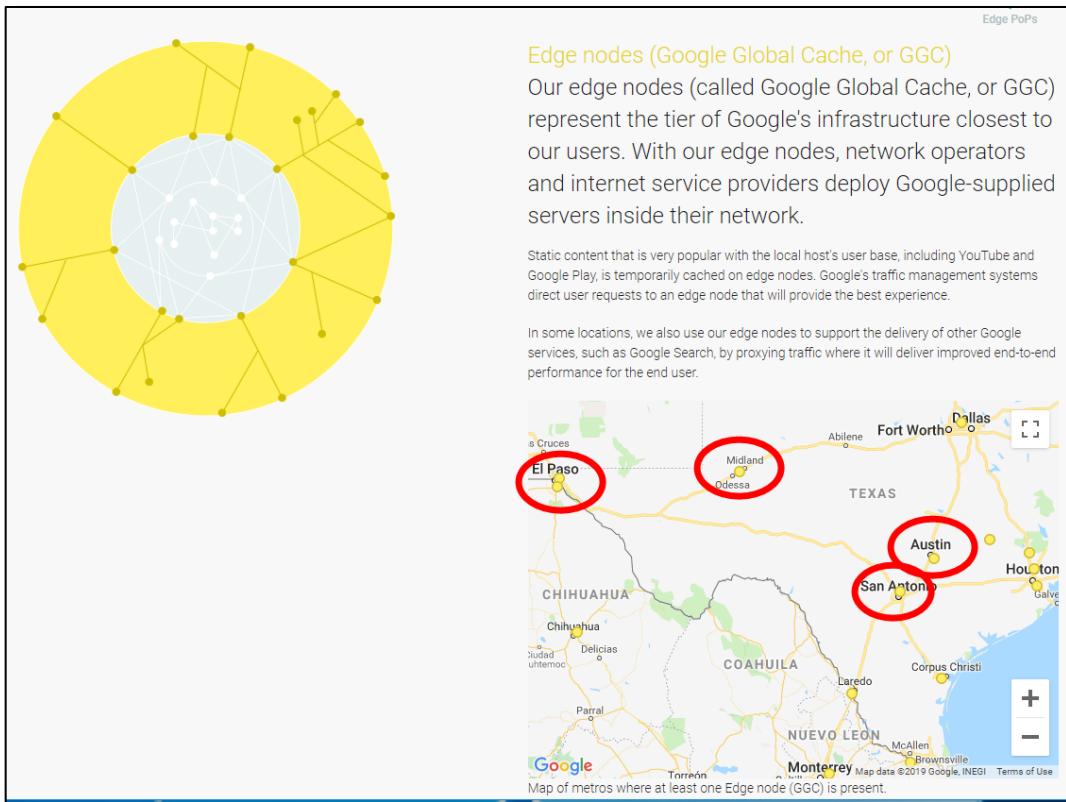
25. Google’s GGC servers are housed in spaces in the District leased by Google. Google’s GGC servers are housed in spaces leased by Google from Internet Service Providers (ISPs) whose networks have substantial traffic to Google and are interested in saving bandwidth. Hosting Google servers allows ISPs to save both bandwidth and costs, as they do not incur the expense of carrying traffic across their peering and/or transit links.

26. When an ISP agrees to host a GGC server, the parties enter into a Global Cache Service Agreement, under which Google provides:

- hardware and software—including GGC servers and software—to be housed in the host's facilities;
- technical support; service management of the hardware and software; and
- content distribution services, including content caching and video streaming.

In exchange, the host provides, among other things, a physical building, rack space where Google's computer hardware is mounted, power, and network interfaces. All ownership rights, title, and intellectual property rights in and to the equipment (i.e., the hardware and software provided by Google) remain with Google and/or its licensors.

27. Multiple ISP hosted GGC servers are in this District. Google's website identifies Midland, El Paso, Austin, and San Antonio as GGC server locations. Each of these cities is located in this District.



Source: <https://peering.google.com/#/infrastructure>

28. The Office of Telecommunications Services for the University of Texas, for example, is an ISP that hosts two GGC servers in Austin, Texas.<sup>26</sup>
29. Google caches content on the GGC servers located in this District.
30. Google's GGC servers located in this District cache content that includes, among other things: (i) video advertising; (ii) apps; and (iii) digital content from the Google Play store.
31. Google's GGC servers located in this District deliver cached content for the items in the preceding paragraph to residents in this District.
32. Google generates revenue (i) by delivering video advertising, (ii) from apps, and (iii) from digital content in the Google Play store.

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<sup>26</sup> See <https://it.utexas.edu/ots-caching-and-peering>

33. Google treats its GGC servers in this District the same as it treats all of its other GGC servers in the United States.

34. The photograph below shows an “illustrative picture” of a Google GGC server.

**Google Global Cache** 

**Motivation**

- Explosion of broadband access and rich, multimedia content continues to drive demand on Internet backbone networks
- This increases the cost of Internet Service Providers (network upgrades, transit costs, etc..)

**Google Global Cache**

- Allows Large ISP to serve content from the edge of their own network.
- Eases backbone congestion on the service provider's network well as traffic on peering and transit links
- Saves money and improves users' experience accessing Google services.
- GGC can be also deployed in IXPs, to server content to participants, locally!



(Illustrative picture)

Source: <https://www.wired.com/2010/03/google-traffic/>

35. Google not only exercises exclusive control over the digital aspects of the GGC, Google, but also exercises exclusive control over the physical server and the physical space within which the server is located and maintained.

#### Google's Communication Services

36. Google provides both data and television services to both San Antonio and Austin.<sup>27</sup>

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<sup>27</sup> <https://fiber.google.com/ourcities/>

 Austin Internet Plans TV Channels Events Find a Store Support [CHECK ELIGIBILITY](#)  Sign In

**Fiber 1000 + TV and Fiber 100 + TV**

Fiber 1000 + TV and Fiber 100 + TV include a full line-up of your favorite channels in crystal clear HD including local, sports, news and weather, entertainment, lifestyle, children and more.

[PRINTABLE CHANNEL GUIDE](#)

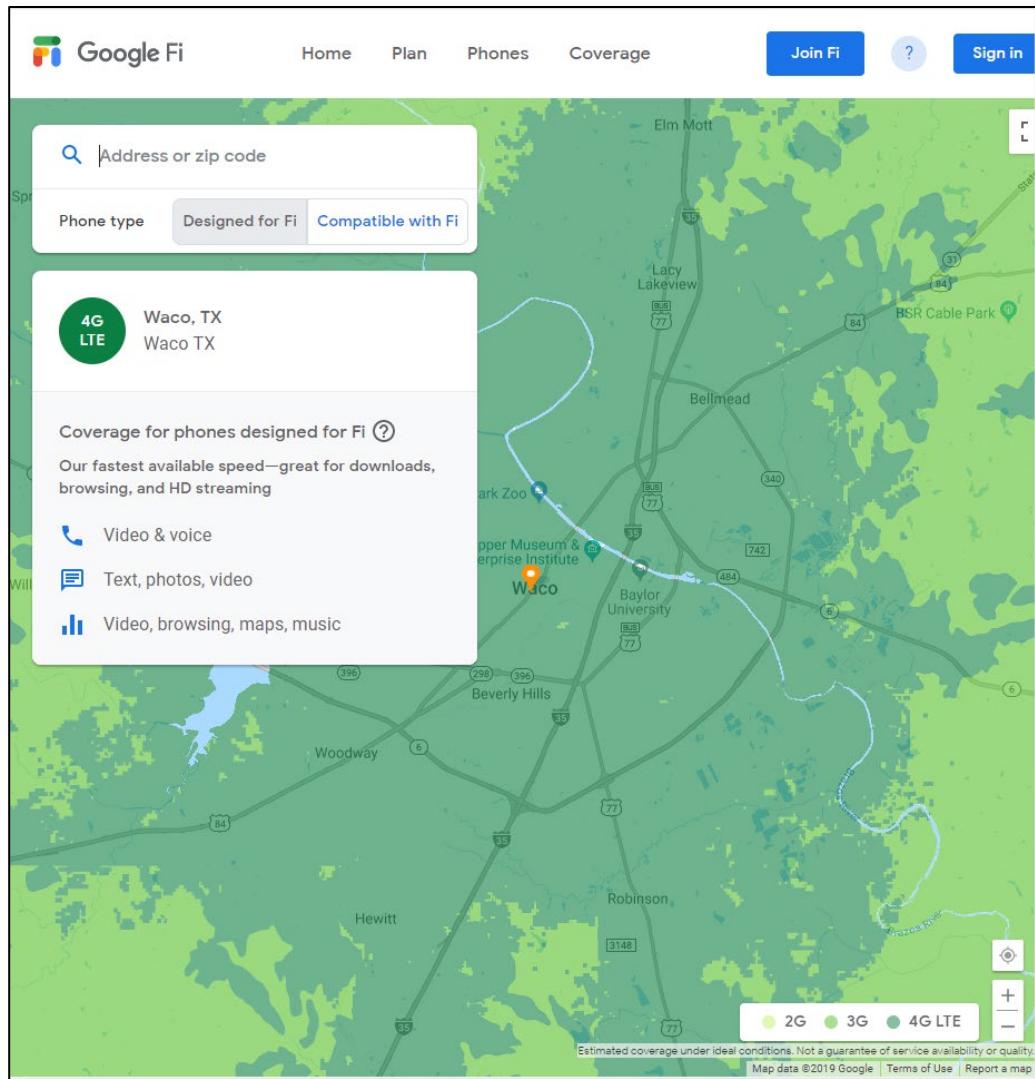
Filter [ALL CHANNELS](#)

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					COAUS (ATXN)
AUSCC (Austin Community College)	AISDST (Austin Independent School District)	PUAC010 (Austin Public 10)	PUAC011 (Austin Public 11)	PUAC016 (Austin Public 16)	

### Google's Cell Phone Service (aka Google Fi)

37. Google also provides phone, messaging, and data services in this District from its wireless phone services called Google Fi. Via the Google Fi service, Google provides its customers voice and high-speed data coverage (4G LTE) for cities such as Waco.



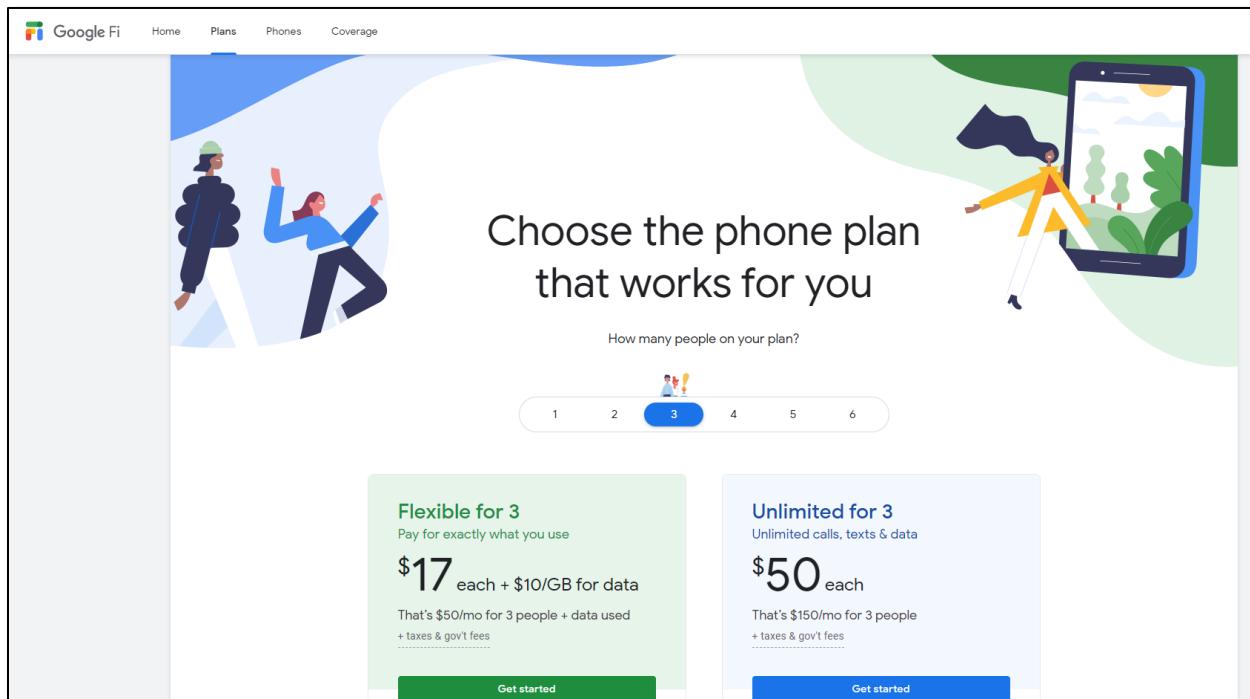
Source: <https://fi.google.com/coverage?q=Waco,%20tx>

38. The cell towers used for Google's services are fixed geographical locations. They are "regular" and "established" because they operate in a "steady, uniform, orderly, and methodical manner" and are sufficiently permanent. They are "of the defendant" because Google has contractual and/or property rights to use the cell towers to operate its business. Google also ratifies the service locations through its coverage lookup service.

39. With this coverage lookup service, Google advertises its ability to provide cell coverage in this District and its selected cell towers in and near this District to provide the

advertised coverage (e.g., 2G, 3G, or 4GLTE) depending on the location in the District. See <https://fi.google.com/coverage?>. Google is not indifferent to the location of its cell towers. It “established” and “ratified” their geographic placement to achieve specific business purposes.

40. Residents of this District also directly contract with and are billed by Google for these services as their telecommunications provider.



Source: <https://fi.google.com/about/plan>

41. Google also determines which cell tower a particular Google Fi customer will use while within the District.

⌄ What determines when Project Fi moves me between cellular networks?

When multiple carriers are available, Project Fi will move you to the network that our analysis shows will be fastest in your current location, whether that is 4G LTE, 3G, or 2G. We're constantly learning and improving, to account for factors such as newly-built towers or newly-available radio frequencies. And if your current network is providing weak or no coverage, we'll adjust in real time to find you a stronger connection.

Source: <https://fi.google.com/about/faq/#network-and-coverage-4>

**COUNT ONE - INFRINGEMENT OF U.S. PATENT NO. 8,751,585**

42. Brazos re-alleges and incorporates by reference the preceding paragraphs of this Complaint.

43. On June 10, 2014, the United States Patent and Trademark Office duly and legally issued U.S. Patent No. 8,751,585 ("the '585 Patent"), entitled "Electronic message handling method based on a message system client and system to implement the method." A true and correct copy of the '585 Patent is attached as Exhibit A to this Complaint.

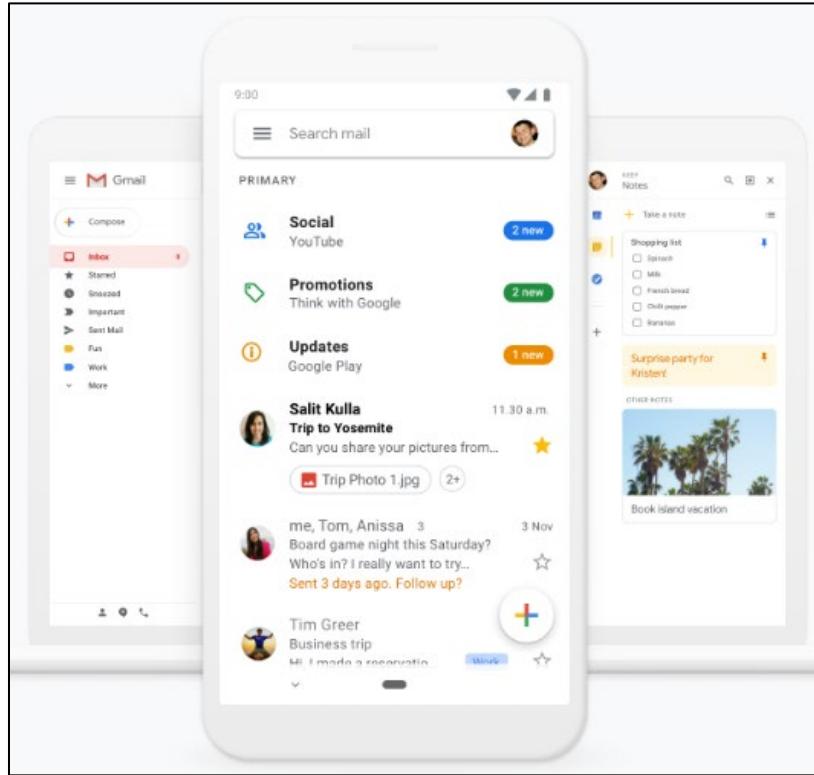
44. Brazos is the owner of all rights, title, and interest in and to the '585 Patent, including the right to assert all causes of action arising under the '585 Patent and the right to any remedies for the infringement of the '585 Patent.

45. Google makes, uses, sells, offers for sale, imports, and/or distributes in the United States, including within this judicial district, products such as, but not limited to, Gmail (collectively, the "Accused Products").

46. Gmail provides e-mail services to customers. As a part of G Suite, which is a suite of cloud computing, productivity, and collaboration tools, Gmail also provides collaborative applications.

47. Electronic message client (i.e., Gmail) applications save messages (i.e., electronic messages) and provide tools for different features such as viewing, archiving, labeling, etc. which facilitates smooth control to the user for managing messages.

# Get more done with Gmail



Now more secure, smarter and easier to use—helping you save time and do more with your inbox.

Source: [https://www.google.com/intl/en\\_in/gmail/about/](https://www.google.com/intl/en_in/gmail/about/)

48. Gmail helps the users to organize their inbox (i.e., managing electronic messages).

Organizing helps in better managing of messages.

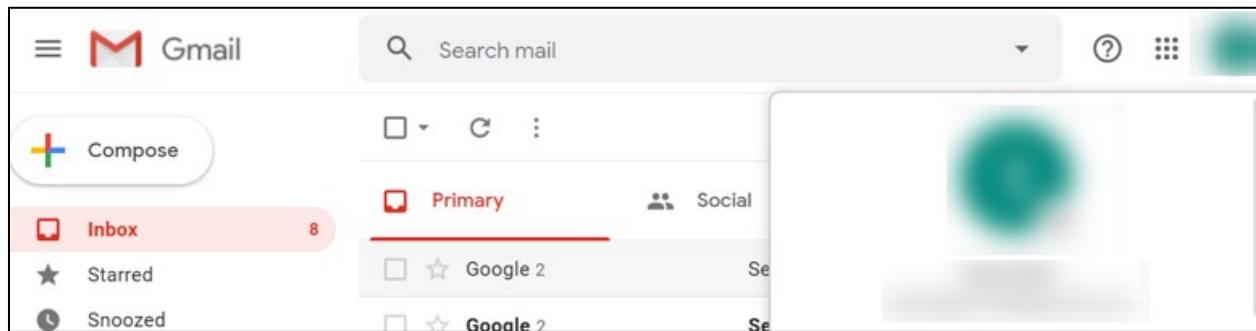
Gmail lets you send and search for messages, organize your inbox, and build relationships with integrated chat and video calls.

Get Gmail: Web ([mail.google.com](http://mail.google.com)) , Android , or iOS



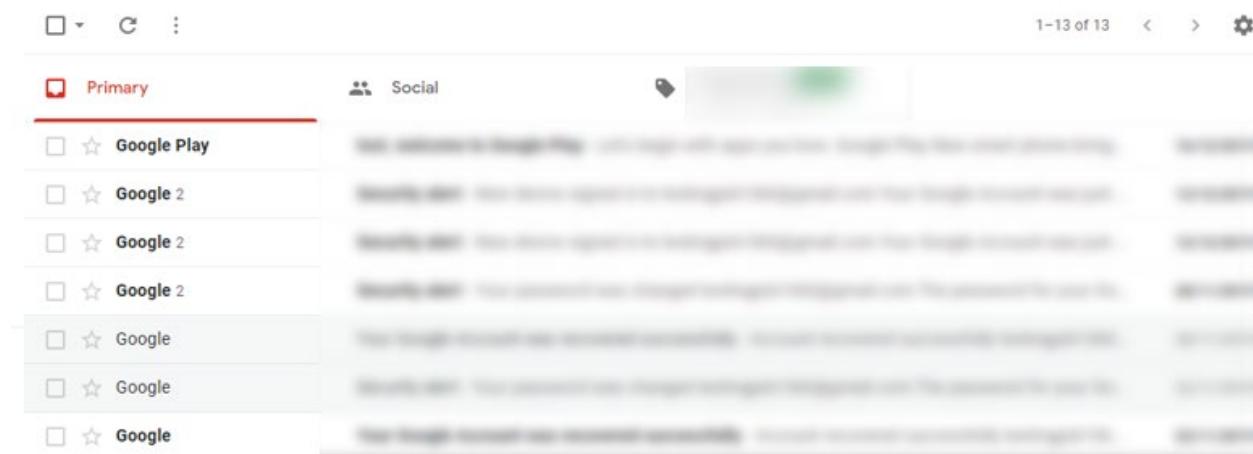
Source: <https://support.google.com/a/users/answer/9259748?hl=en>

49. E-mails are associated with a user. For example, all the e-mails (i.e., a plurality of electronic messages) shown in the figure below associates with a user named “test test.”



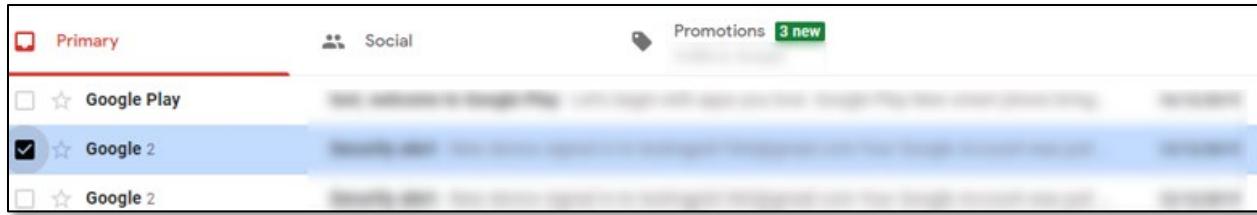
Source: Testing

50. Gmail integrates itself with communication systems. For example, a communication system can be an enterprise network, campus network, personal network, or internet. A plurality of messages is a part of a communication system.



Source: Testing

51. Gmail allows users to select an electronic message (i.e. email). With the selection, they can perform various features like viewing, marking, etc. as per the purpose. The selection of one message, “Security Alert” is colored blue in the background of the message.



Source: Testing

52. After the selection of an e-mail, Gmail helps users in performing many features (i.e. actions). One of the most prominent features to manage the number of messages is Filtering. A user can create rules to filter the e-mails. Users can label, archive, delete, star, or automatically forward the e-mail.

## Create rules to filter your emails

You can manage your incoming mail using Gmail's filters to send email to a label, or archive, delete, star, or automatically forward your mail.

Source: <https://support.google.com/mail/answer/6579?hl=en>

53. The Rules are comprised of actions. These actions happen out of a communication system. The actions can be one of the following archiving, forwarding, etc.

[!\[\]\(20a174840e134434f6d004da6ed80819\_img.jpg\) When a message arrives that matches this search:](#)

- Skip the Inbox (Archive it)
- Mark as read
- Star it
- Apply the label: [Choose label...](#) ▾
- Forward it [add forwarding address](#)
- Delete it
- Never send it to Spam
- Always mark it as important
- Never mark it as important
- Categorise as: [Choose category...](#) ▾
- Also apply filter to **0** matching conversations.

[!\[\]\(b84b2e065a0917cf1bfd25d7f34cc0c6\_img.jpg\) Learn more](#) Create filter

Source: Testing

54. The filters are created based on a few sets of rules, such as the size of the mail or attachments. One of the rules is whether the e-mail has specific words (i.e. content) or the e-mail should not include those words (i.e. content).

From welcome-googleplay-noreply@google.com

To [REDACTED]

Subject -

Includes the words content

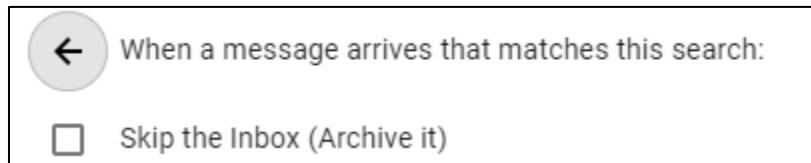
Doesn't have system

Size greater than ▾ MB ▾

Has attachment  Don't include chats

[Create filter](#) [Search](#)

Source: Testing



Source: Testing

55. Once filters are created based on rules, an action is established for an e-mail. The e-mail moves according to action. For example, when a user selects the “Skip the Inbox” option, the e-mail is archived. The e-mail moves from the inbox to the archive. The e-mail which can be viewed later in the “All Mails” option in the left tab.

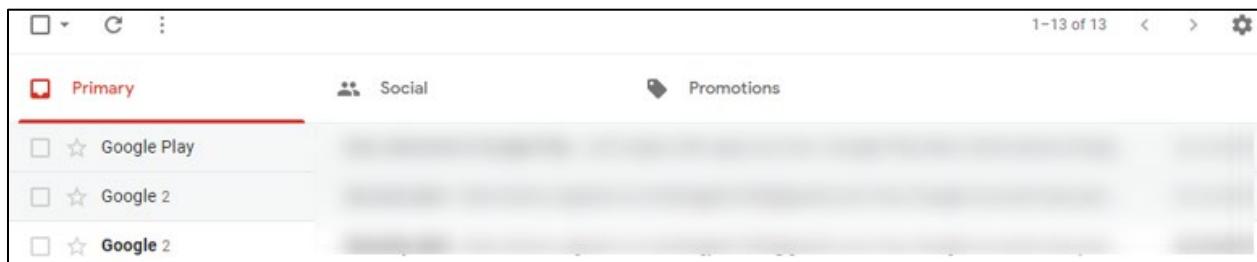
[!\[\]\(b71737736c94679dc790a0d0ccaa8792\_img.jpg\) When a message arrives that matches this search:](#)

- Skip the Inbox (Archive it)
- Mark as read
- Star it
- Apply the label: [Choose label...](#)
- Forward it [add forwarding address](#)
- Delete it
- Never send it to Spam
- Always mark it as important
- Never mark it as important
- Categorise as: [Choose category...](#)
- Also apply filter to 0 matching conversations.

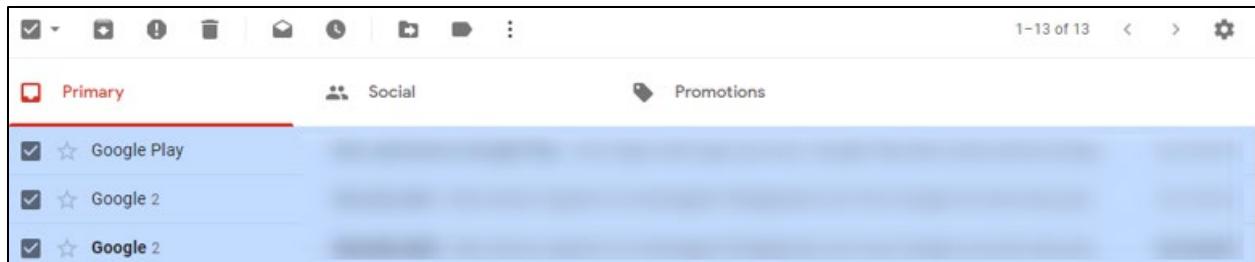
[!\[\]\(98e5e019384262c45abb731b7ca6cb22\_img.jpg\) Learn more](#) [Create filter](#)

Source: Testing

56. Gmail provides users to move the selected e-mail to archived (i.e. archive location) after the filtering process (i.e. detection of the action defined in the archiving rule). For example, a user selects the email titled “Google Play” to start the process of moving it to archive.



Source: Testing



Source: Testing

57. A set of filtering rules applies to the list of selected e-mails.

A screenshot of the Gmail filter creation interface. It shows a list of selected emails from 'welcome-googleplay-noreply@google.com'. Below the list, there are several filtering criteria fields:

- 'From' field containing 'welcome-googleplay-noreply@google.com'
- 'To' field with a blurred recipient
- 'Subject' field with a blurred subject
- 'Includes the words' field with a blurred word
- 'Doesn't have' field with a blurred word
- 'Size' dropdown set to 'greater than' with a blurred value and 'MB' unit
- Checkboxes for 'Has attachment' and 'Don't include chats'

At the bottom right, there are 'Create filter' and 'Search' buttons.

Source: Testing

58. Gmail works based on the selected rules.

The screenshot shows the 'Create filter' screen in Gmail. At the top, it says 'When a message arrives that matches this search:' followed by a back arrow icon. Below this is a list of actions with checkboxes:

- Skip the Inbox (Archive it)
- Mark as read
- Star it
- Apply the label: Choose label... ▾
- Forward it [add forwarding address](#)
- Delete it
- Never send it to Spam
- Always mark it as important
- Never mark it as important
- Categorise as: Choose category... ▾
- Also apply filter to 1 matching conversation.

At the bottom left is a 'Learn more' link with a question mark icon, and at the bottom right is a blue 'Create filter' button.

Source: Testing

59. The e-mail is then no longer in the inbox. It moves from the inbox to the archive location. The e-mail can be viewed later in the “All Mail” section, which is in the left tab of Gmail.

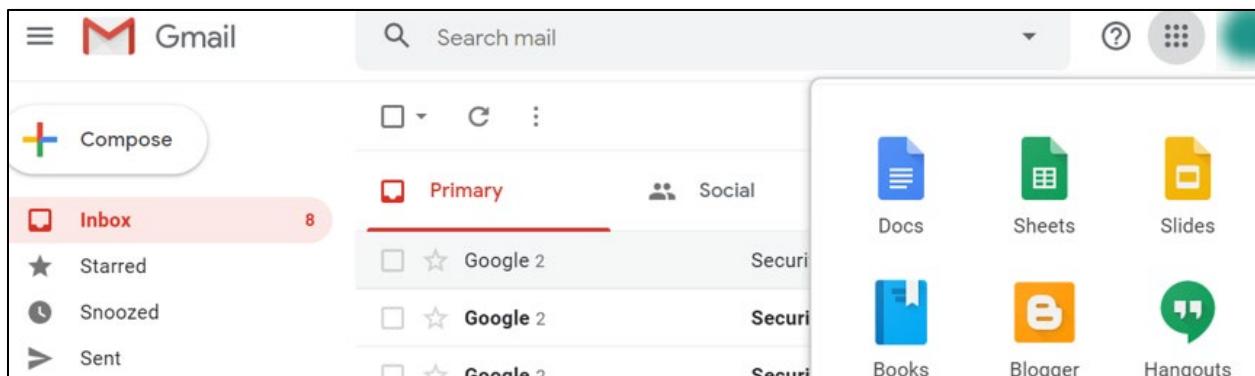
The screenshot shows the Gmail inbox interface. The top navigation bar includes a search bar, a refresh icon, and a three-dot menu. Below the bar, there are three tabs: 'Primary' (which is red and underlined), 'Social', and 'Promotions'. The main area displays several messages, all of which have a small red circle with a white checkmark in the top-left corner, indicating they have been archived. The messages are listed as follows:

- [redacted] Google 2
- [redacted] Google 2
- [redacted] Google 2

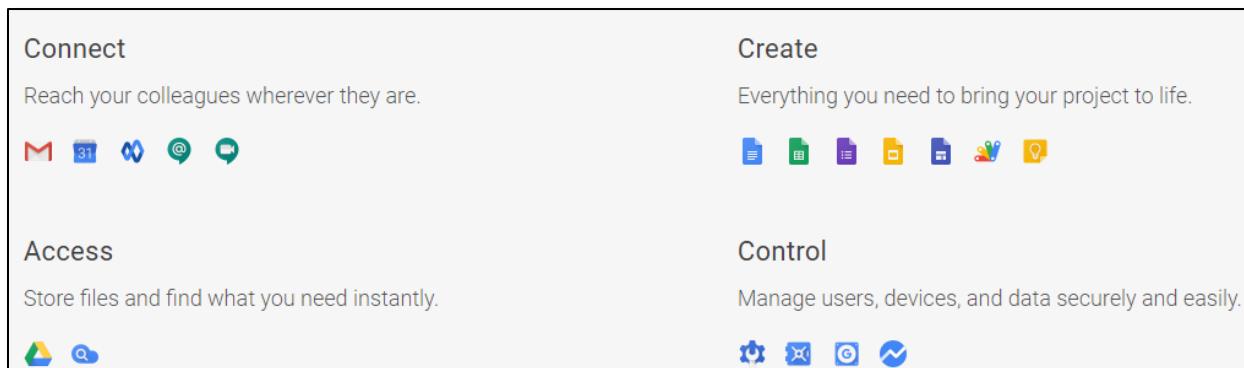
At the bottom right of the inbox area, there are buttons for 'Review Activity', trash, and other inbox controls. The top right corner shows '1-12 of 12'.

Source: Testing

60. The communication system also provides the management of collaborative applications. The collaborative application is one which can be accessed by multiple users and can have collaborative inputs from each user. The G Suite is comprised of multiple collaborative applications, which integrates with Gmail. The applications can be Docs, Sheet, or Calendar, among others.



Source: Testing



Source: [https://gsuite.google.co.in/intl/en\\_in/#](https://gsuite.google.co.in/intl/en_in/#)

61. The advantage of G Suite collaborative application is such that the user can collaborate in real-time. The pages will update as soon as a user makes changes in the application. For example, Google docs (i.e. collaborative application) integrates with Gmail.

## Collaborate in real-time.

Easily work on [documents](#), [spreadsheets](#), and [slides](#) across your devices, with or without internet.

Work in a single document with teammates or people outside your company. See edits as others type, communicate through built-in chat, and ask questions in comments.

Multiple people can work at the same time, and every change is saved automatically.

Source: [https://gsuite.google.co.in/intl/en\\_in/features/](https://gsuite.google.co.in/intl/en_in/features/)

62. Google Docs offers the option to share the document with multiple other users.

## Sharing settings

### Link to share (allows editing)

<https://docs.google.com>

Share link via:  

### Who has access



Anyone who has the link can **edit**

[Change...](#)



@gmail.com

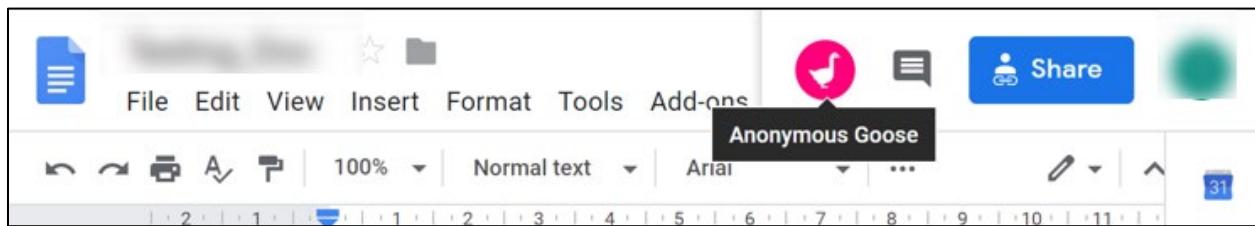
Is the owner

Source: Testing

63. An example of another user editing the document is shown in the figure below.

When another user makes changes in the document, the document with the first user is also updated

(i.e. update to a page associated with a collaborative application).



Source: Testing

64. In view of preceding paragraphs, each and every element of at least claim 1 of the ‘585 Patent is found in the Accused Products.

65. Google continues to directly infringe at least one claim of the ‘585 Patent, literally or under the doctrine of equivalents, by making, using, selling, offering for sale, importing, and/or distributing the Accused Products in the United States, including within this judicial district, without the authority of Brazos.

66. Google has received notice and actual or constructive knowledge of the ‘585 Patent since at least the date of service of this Complaint.

67. Since at least the date of service of this Complaint, through its actions, Google has actively induced product makers, distributors, retailers, and/or end users of the Accused Products to infringe the ‘585 Patent throughout the United States, including within this judicial district, by, among other things, advertising and promoting the use of the Accused Products in various websites, including providing and disseminating product descriptions, operating manuals, and other instructions on how to implement and configure the Accused Products. Examples of such advertising, promoting, and/or instructing include the documents at:

- [https://www.google.com/intl/en\\_in/gmail/about/](https://www.google.com/intl/en_in/gmail/about/)
- <https://support.google.com/a/users/answer/9259748?hl=en>
- <https://support.google.com/mail/answer/6579?hl=en>

- [https://gsuite.google.co.in/intl/en\\_in/#](https://gsuite.google.co.in/intl/en_in/#)
- [https://gsuite.google.co.in/intl/en\\_in/features/](https://gsuite.google.co.in/intl/en_in/features/)

68. Since at least the date of service of this Complaint, through its actions, Google has contributed to the infringement of the ‘585 Patent by having others sell, offer for sale, or use the Accused Products throughout the United States, including within this judicial district, with knowledge that the Accused Products infringe the ‘585 Patent. The Accused Products are especially made or adapted for infringing the ‘585 Patent and have no substantial non-infringing use. For example, in view of the preceding paragraphs, the Accused Products contain functionality which is material to at least one claim of the ‘585 Patent.

**JURY DEMAND**

Brazos hereby demands a jury on all issues so triable.

**REQUEST FOR RELIEF**

WHEREFORE, Brazos respectfully requests that the Court:

- (A) Enter judgment that Google infringes one or more claims of the ‘585 Patent literally and/or under the doctrine of equivalents;
- (B) Enter judgment that Google has induced infringement and continue to induce infringement of one or more claims of the ‘585 Patent;
- (C) Enter judgment that Google has contributed to and continue to contribute to the infringement of one or more claims of the ‘585 Patent;
- (D) Award Brazos damages, to be paid by Google in an amount adequate to compensate Brazos for such damages, together with pre-judgment and post-judgment interest for the infringement by Google of the ‘585 Patent through the date such judgment is entered in accordance

with 35 U.S.C. § 284, and increase such award by up to three times the amount found or assessed in accordance with 35 U.S.C. § 284;

- (E) Declare this case exceptional pursuant to 35 U.S.C. § 285; and
- (F) Award Brazos its costs, disbursements, attorneys' fees, and such further and additional relief as is deemed appropriate by this Court.

Dated: June 29, 2020

Respectfully submitted,

/s/ James L. Etheridge  
James L. Etheridge  
Texas State Bar No. 24059147  
Ryan S. Loveless  
Texas State Bar No. 24036997  
Travis L. Richins  
Texas State Bar No. 24061296  
ETHERIDGE LAW GROUP, PLLC  
2600 E. Southlake Blvd., Suite 120 / 324  
Southlake, Texas 76092  
Telephone: (817) 470-7249  
Facsimile: (817) 887-5950  
[Jim@EtheridgeLaw.com](mailto:Jim@EtheridgeLaw.com)  
[Ryan@EtheridgeLaw.com](mailto:Ryan@EtheridgeLaw.com)  
[Travis@EtheridgeLaw.com](mailto:Travis@EtheridgeLaw.com)

**COUNSEL FOR PLAINTIFF**